Calculated by	Ivan Zaykov	Calculated on	15. 3. 2024	Country	Czech Republic

① Stratobel Clearlite 1010.2 Heat soaked thermally toughened

Glass performance data simulation

Light properties - EN 410

Light transmittance : τv [%]	**84**
External light reflection : ρv [%]	**8**
Internal light reflection : ρvi [%]	**8**
Colour rendering index : Ra [%]	**97**

Energy properties - EN 410

Total solar energy transmittance : g [%]	**72**
External energy reflection : ρe [%]	**6**
Internal energy reflection : ρei [%]	**6**
Direct energy transmission : τe [%]	**66**
Total energy absorption : αe [%]	**28**
Shading coefficient : SC	**0.83**
UV transmission : τuv [%]	**0**
Selectivity	**1.17**

ENVIRONMENTAL PROPERTIES

Cradle to Gate – Global warming potential: Module A1-A3 : [kg CO2 eq. /m²] 1	**NPD**

Thermal properties - EN 673

Thermal transmittance (vertical glazing) : U value [W/(m².K)]	**5.2**

Acoustic properties

Direct airborne sound reduction - Interpolated : Rw (C;Ctr) [dB] 2	**40 (-1;-3)**

Safety properties

Resistance to fire - EN 13501-2	**NPD**
Reaction to fire - EN 13501-1	**NPD**
Bullet resistance - EN 1063	**NPD**
Burglar resistance - EN 356	**P2A**
Pendulum body impact resistance - EN 12600	**1B1**
Explosion resistance - EN 13541	**NPD**

Thickness and weight

Nominal thickness : [mm]	**20.8**
Weight : [kg/m²]	**51**

1. This value represents a self-declared estimate of the Global Warming Potential (GWP) associated with the production of the configured glass product. This value covers the entire production phase but no other stage of the life cycle of the product is included in this value. The data used to estimate the environmental impact is representative of all AGC Glass Europe production in Europe. AGC Glass Europe has followed the modeling principles of the European standard EN 15804+A2, although no third-party verification has been carried out.

2. The sound reduction indexes are interpolated (no test available). They correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources etc. The accuracy of the given indexes is +\/- 2 dB.

3. The sound reduction indexes correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources etc. The accuracy of the given indexes is +/- 1 dB.

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Glass Configurator
Calculation software verified by INISMa
EN 410 and EN 673
Report n° 2018B COU 35741

AGC LOW CARBON GLASS

Several AGC products are now available in Low-Carbon Glass version. The Low-Carbon Glass version does not affect the properties of the above glass configuration. For more info about the AGC Low-Carbon Glass range, please visit our YourGlass page.

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